

CLAIMS

What is claimed is:

1. A wide format printing system, the system comprising:

a wide format printing apparatus including a plurality of printing sub-units being positioned to cover the width of a wide format substrate; and

a printing controller to control the printing from said printing sub-units, to print an image across the width of said wide format substrate.
2. The system of claim 1, comprising an image recognition unit.
3. The system of claim 2, wherein said image recognition unit includes a colorimeter.
4. The system of claim 2, wherein said image recognition unit includes a pattern recognition system.
5. The system of claim 1, wherein said printing controller is to enable analyzing of the output of said printing apparatus.
6. The system of claim 1, wherein said printing controller is to enable tuning of said printing sub-units
7. The system of claim 1, wherein said printing controller is to enable adjusting the color output.
8. The system of claim 1, comprising an erasing unit to erase non-fused toner images.
9. The system of claim 1, comprising a toner-recycling unit.
10. The system of claim 1, comprising color toner separation unit.
11. The system of claim 1, wherein said printing apparatus is detachable.

12. A wide format printing method, the method comprising:

placing a plurality of printing sub-units in an appropriate configuration in a wide format printing apparatus, said configuration to enable precisely covering a wide format substrate; and

printing a wide format image on said wide format substrate.

13. The method of claim 12, comprising:

printing a pattern on the substrate, by said sub-units; and

analyzing said pattern.

14. The method of claim 13, wherein if said pattern is not tuned, tuning at least one sub-unit.

15. The method of claim 14, wherein said tuning includes adjusting the rotation for at least one sub-unit.

16. The method of claim 14, wherein said tuning includes adjusting the translation for at least one sub-unit.

17. The method of claim 13, wherein if an offset remains after said printing by two or more said sub-units, adjusted the offset of at least one said sub-unit.

18. The method of claim 12, comprising:

printing samples of images by at least a subset of said sub-units;

recognizing said samples; and

analyzing the colors of said samples.

19. The method of claim 18, wherein said recognizing is executed using an image recognition unit.

20. The method of claim 18, wherein said analyzing is executed using a printing controller.

21. The method of claim 18, comprising adjusting the color output of at least one sub-unit.